Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Construction of RCC drains at BHEL mini Colony balance roads and 1st, 2nd, 5th cross near Huccharanagaiah house all either (2) sides in in Ward No.13, Shettyhalli Division.

Est .Cost Rs. 49.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amou
1	KSRRB 300-3. Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. Page No. 141/ Item No. 19.1/ PWD SR 2015-16								
	1st Cross - From Hucharangaiah house road to dead hand (R/s and L/s)	Cum	2	33.00	0.90	0.90	53.46		
	2nd Cross - From Hucharangaiah house road to dead hand (R/s and L/s)		2	32.00	0.90	0.90	51.84		
	3rd Cross - From Hucharangaiah house road to dead hand (R/s and L/s)		2	75.00	0.90	0.90	121.50		
	4th Cross - From Hucharangaiah house road to dead hand (R/s and L/s)		2	32.00	0.90	0.90	51.84		
	5th Cross - From Hucharangaiah house road to dead hand (R/s and L/s)		2	32.00	0.90	0.90	51.84		
	Ramanna House road - From Shubhodaya School road to dead hand (R/s & L/s)		2	130.00	0.90	0.90	210.60		
							541.08	83.16	**4499**
	Basic Rate	77.00							
	Area Weightage @ 8%	6.16							
		83.16							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.3 Page No.12/ Item No. 4.3/ PWD SR 2015-16								
		Cum	2	33.00	0.90	0.15	8.91		
			2	32.00	0.90	0.15	8.64		
			2	75.00	0.90	0.15	20.25		
			2	32.00	0.90	0.15	8.64		
			2	32.00	0.90	0.15	8.64		
			2	130.00	0.90	0.15	35.10		
							90.18	5070.60	**457**
	Basic Rate	4695.00							
	Area Weightage @ 8%	375.60							
	Total	**5070.60**							

	22 : Providing and laying in position reinforced cement concrete of design 20 with OPC cement @ 320kgs, with with 20mm and down size graded metal, coarse aggregate @ 0.69 cum and fine aggregates @ .460cum, with plasticisers @ 3 liters confirming to is 9103-1999 reafairmed -2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings,pedastals,retaining walls, staircase, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 ,P.13/I.4.11/ PWD SR 2015-16								
	Bed		2	33.00	0.80	0.15	7.92		
	Wall	Cum	2x2	33.00	0.15	0.70	13.86		
			2	32.00	0.80	0.15	7.68		
			2x2	32.00	0.15	0.70	13.44		
			2	75.00	0.80	0.15	18.00		
			2x2	75.00	0.15	0.70	31.50		
			2	32.00	0.80	0.15	7.68		
			2x2	32.00	0.15	0.70	13.44		
			2	32.00	0.80	0.15	7.68		
			2x2	32.00	0.15	0.70	13.44		
			2	132.00	0.80	0.15	31.68		
			2x2	132.00	0.15	0.70	55.44		
	for Covering		2	33.00	0.80	0.15	7.92		
			2	32.00	0.80	0.15	7.68		
			2	75.00	0.80	0.15	18.00		
			2	32.00	0.80	0.15	7.68		
			2	32.00	0.80	0.15	7.68		
			2	130.00	0.80	0.15	31.20		
							301.92		
	Ded for Openings	6.00	20	0.90	0.90	0.15	**14.58**		
					Net Qty		**287.34**	6198.12	**178096**
	Basic Rate	5739.00							
	Area Weightage @ 8%	459.12							
	Total	**6198.12**							
4	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3, TMT bars Fe 500. Page No. 17/ Item No. 4.46.2/ PWD SR 2015-16								
		Qtls		287.34	X	60kgs	172.40		
							172.40	6980.58	**120348**
	Basic Rate	6463.50							
	Area Weightage @ 8%	517.08							
	Total	**6980.58**							
5	KSRB 4-6.9: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walss at any thickness,including attached pilasters,buttresses, plinth and string courses cost of all materials, labour complete as per specification. Specification No. KSRB 4.6.9. exceeding 1m in depth. Page No. 15/ Item No. 4.31/ PWD SR 2015-16								
		Sqm	2x4	33.00		0.75	198.00		
			2x4	32.00		0.75	192.00		
			2x4	75.00		0.75	450.00		
			2x4	32.00		0.75	192.00		

			2x4	32.00		0.75	192.00		
			2x4	130.00		0.75	780.00		
	Covering		2	33.00		0.60	39.60		
			2	32.00		0.60	38.40		
			2	75.00		0.60	90.00		
			2	32.00		0.60	38.40		
			2	32.00		0.60	38.40		
			2	130.00		0.60	156.00		
							2404.80	306.72	**737600.**
	Basic Rate	284.00							
	Area Weightage @ 8%	22.72							
		306.72							
6	Providing & laying reinforeced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.								
	for Covering slabs	Cum	2	16.00	0.60	0.90	17.28		
			2	15.00	0.60	0.90	16.20		
			2	14.00	0.60	0.90	15.12		
			2	15.00	0.60	0.90	16.20		
			2	16.00	0.60	0.90	17.28		
			2	32.00	0.60	0.90	34.56		
	Missed Slabs		1	41.00	0.60	0.90	22.14		
							138.78	1600	**22204**
	Approved Rate of Precast slab	1600							
7	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 68.00 (P.133 I.18.57/1) 2015-16								
							541.08		
	Qty Vide Item No=1	Cum					**541.08**	81.73	**4422**
	Qty Limited to								
	(For 3 km = 3 x 1.28 x 2.0)	7.68							
	Loading and Unloading Charges	68.00							
		75.68						**Sub Total**	**4490**
	Area Weightage @ 8%	6.05							
	Total	**81.73**							**359**
8	KRIDL Charges 8%								**490**
9	Qc Charges 1%								
10	Miscellaneous and unforseen Charges								**11**
								Total	**490**

(Rupees Forty Nine Lakhs Only)

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary

2 The Estimate is prepared as per the PWD SR 2015-16

3 The Provision made in estimate are adequate and essential

4 This area comes under BBMP limits.

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

A/S

ನಂ. AC(DH) AS/31/2016-17 ದಿನಾಂಕ : 30/08/2016

ರೂ. 49.00 Lakhs (Rupees Forty Nine lakhs only)

ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

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ಅಪರ ಆಯುಕ್ತರು 31/8/16
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

ನಂ. CE/DZ/15/120/47/16-17 ದಿನಾಂಕ : 01/09/2016

ರೂ. 4900000/- ಗಳ ನಿರ್ವಹಣಾ ಕಾಮಗಾರಿ

ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.